

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Continental Glass Systems, Inc. 325 West 74 Place Hialeah, FL 33014

## SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "7200" Outswing Aluminum Bi-Folding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. AD13-02, titled "Series 7200 Aluminum Bi-Folding Window -LMI", sheets 1 through 9 of 9, dated 06/02/14, with revision #1 dated 08/20/14, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

## MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned

The submitted documentation was reviewed by Manuel Perez, P.E.



NOA No. 14-0225.03 Expiration Date: September 04, 2019 Approval Date: September 04, 2014

Page 1

## Continental Glass Systems, Inc.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## A. DRAWINGS

1. Manufacturer's die drawings and sections.

Rafael E. Droz-Seda, P.E.

2. Drawing No AD13-02, titled "Series 7200 Aluminum Bi-Folding Window - LMI", sheets 1 through 9 of 9, dated 06/02/14, with revision #1 dated 08/20/14, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

## B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94 along with marked-up drawings and installation diagram of a series 7200 outswing aluminum casement window, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-13-4068**, dated 09/12/13, revised on 10/29/13, signed and sealed by
- 2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Small Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - along with marked—up drawings and installation diagram of a series 7200 outswing aluminum casement window, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-113-4069**, dated 09/24/13, revised on 10/29/13, signed and sealed by Rafael E. Droz—Seda, P.E.
- 3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
  - along with marked—up drawings and installation diagram of a series 7200 outswing aluminum casement window, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-13-4071**, dated 10/24/13, signed and sealed by Rafael E. Droz–Seda, P.E.
- 4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Small Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked—up drawings and installation diagram of a series 7200 outswing aluminum casement window, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-13-4072**, dated 10/24/13, signed and sealed by Rafael E. Droz—Seda, P.E.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0225.03

Expiration Date: September 04, 2019 Approval Date: September 04, 2014

# Continental Glass Systems, Inc.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 12/05/13 and revised on 08/19/14, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
- 2. Glazing complies with ASTM E1300-04

## D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

## E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.

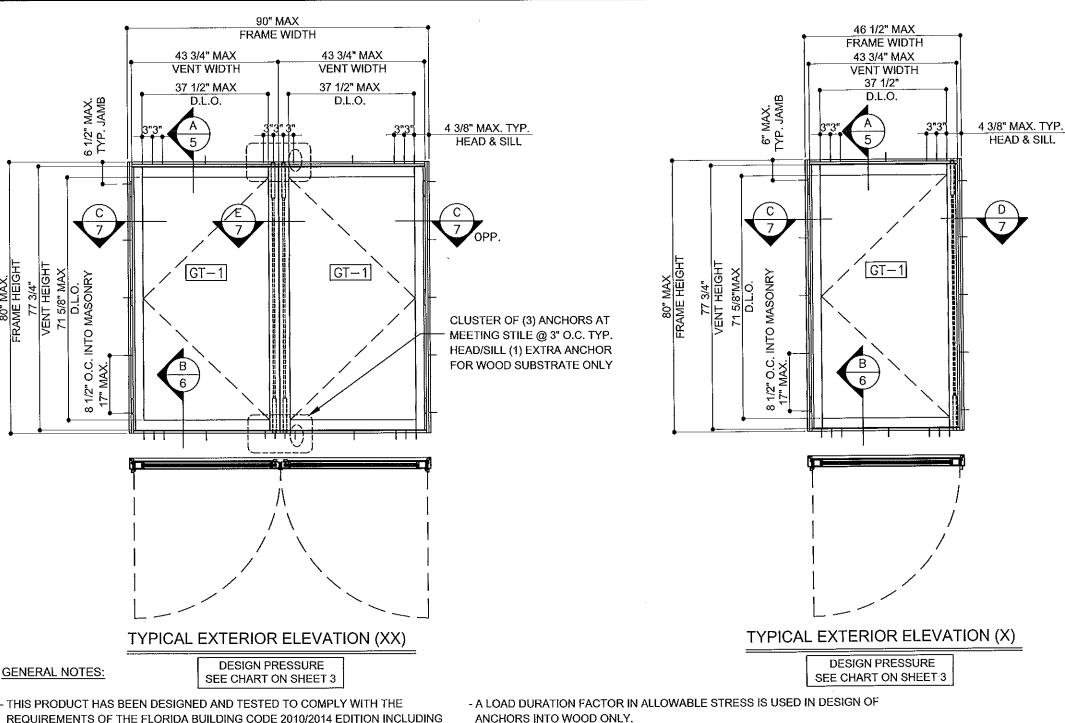
## F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC-2010, issued by MCY Engineering, Inc., dated November 07, 2013, signed and sealed by Yiping Wang, P.E.
- 2. Statement letter of no financial interest, issued by MCY Engineering, Inc., dated November 07, 2013, signed and sealed by Yiping Wang, P.E.

## G. OTHER

1. None.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0225.03
Expiration Date: September 04, 2019
Approval Date: September 04, 2014



- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010/2014 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR LARGE MISSILE IMPACT AND SMALL MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

- PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010/2014 FLORIDA BUILDING CODE SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS INC. MUST SUPPORT LOADS IMPOSED BY WINDOW SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- DESIGN LOAD OBTAINED FROM ASCE 7-10, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.

AUG 2 1 2014

由主要有关企业企业。

YIPING WANG, P.E. FLORIDA REGISTRATION Approved as complying with the Florida Bulding Code
Date Sept.
NOAB 12 - 1225 DA
Miland Dade Product Control PE #55983 C.A.N. 28677 MIAMI-DADE COUNTY

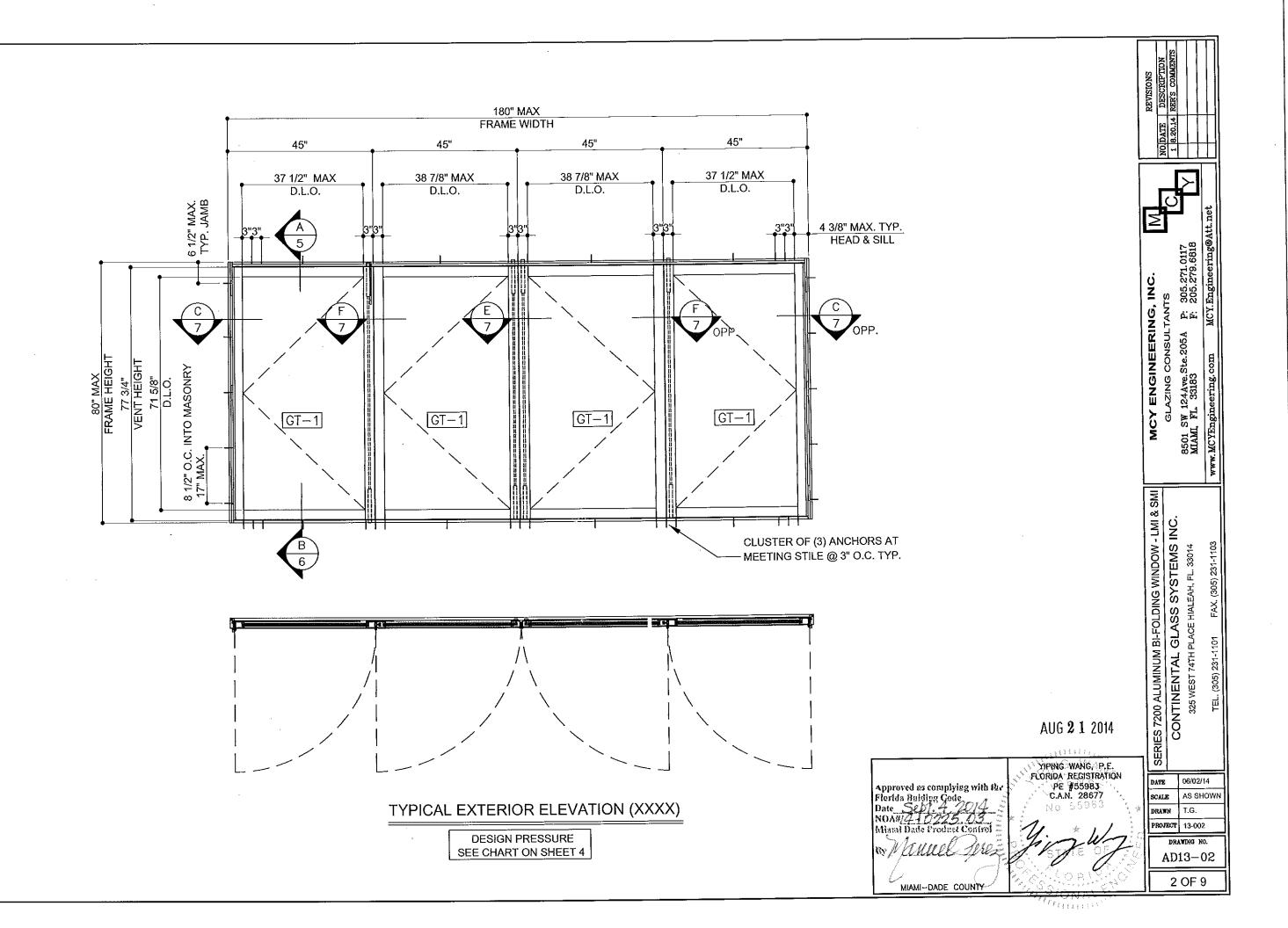
SERIES 7200 ALUMINUM BI-FOLDING WINDOW - LMI & SMI DATE 06/02/14 AS SHOWN SCALE DRAWN T.G. PROJECT 13-002 DRAVING NO. AD13-02

CONTINENTAL GLASS SYSTEMS INC. 325 WEST 74TH PLACE HIALEAH, FL. 33014

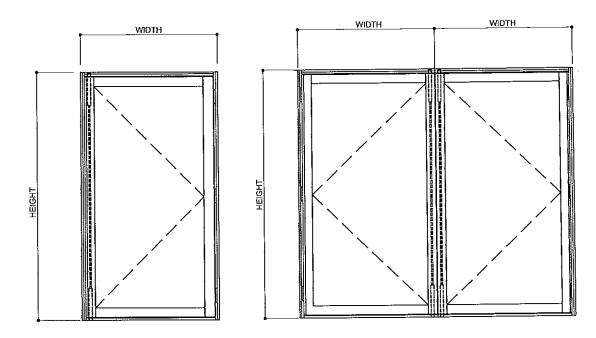
ENGINEERING, INC.

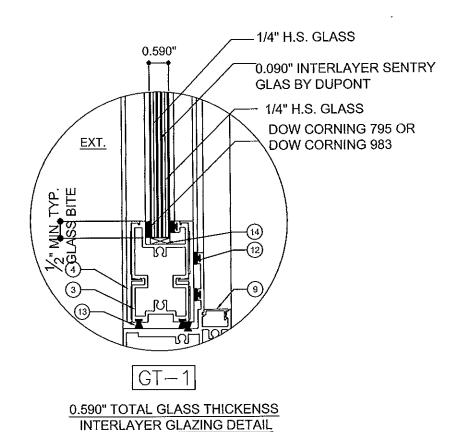
MCY

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MAX. DESIGN LOAD FOR ONE OR TWO PANEL BI-FOLDING WINDOW						
WINDOV	WINDOW PANEL		MAX. DESIGN LOAD			
WIDTH	HEIGHT	POSITIVE	NEGATIVE			
IN	IN	PSF	PSF			
30	60	110.0	120.0			
33		110.0	120.0			
36		110.0	120.0			
39		110.0	120.0			
42		110.0	120.0			
45		110.0	120.0			
48		110.0	120.0			
51		110.0	113.0			
54		107.0	107.0			
30	66	110.0	120.0			
33		110.0	120.0			
36		110.0	120.0			
39		110.0	120.0			
42		110.0	120.0			
45		110.0	120.0			
48	}	110.0	120.0			
51		110.0	113.0			
54		107.0	107.0			
30	72	110.0	120.0			
33	<u> </u>	110.0	120.0			
36	_	110.0	120.0			
39		110.0	120.0			
42		110.0	120.0			
45		110.0	120.0			
48		110.0	120.0			
30	78	110.0	120.0			
33		110.0	120.0			
36	]	110.0	120.0			
39	1	110.0	120.0			
42	1	110.0	120.0			
45		110.0	120.0			
30	80	110.0	120.0			
33	_	110.0	120.0			
36	_	110.0	120.0			
39		110.0	120.0			
42		110.0	120.0			
45		110.0	120.0			





NOTE: GLASS CAPACITY COMPLY WITH ASTM E1300 (3 SEC. GUSTS)

# HARDWARE:

### LOCKS:

A TWO POINT LOCK WITH HANDLE (BF-01-650) BY INTERLOCK, LOCATED AT BOTH ACTIVE AND INACTIVE SASH AT 36" FROM THE BOTTOM OF THE SASH.

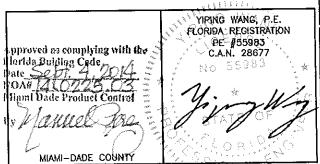
1/2" SOLID S.S. FLUSH BOLTS WITH A THROW OF 1" AT TOP & BOTTOM.

THE 1"x2"x0.764" DEEP STRIKE PLATES INSTALLED WITH (2)#8x1/2" PHILIPS FLAT HEAD AND SET IN WITH ACRYL-R. SEAM SEALER BY SCHNEE-MOREHEAD INC.

### HINGES:

- (3) 4 X 4 1/2" SS METAL HINGES INSTALLED ON EACH SASH @ 8 1/4" AND FROM TOP AND BOTTOM OF SASH AND ONE AT CENTER.
- (4) 6MM X 15MM PHILLIPS FLAT HEAD MACHINE SCREWS ON HINGE STILES OF THE SASH AND BI-FOLDING FRAME.

AUG 2 1 2014



REVISIONS
NO.DATE DESCRIPTIO
1 6.20.14 RER'S COMME

305.271.0117 205.279.6818

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124Ave. Ste. 205A P: 305. 271.(MAM, FL 33183 F: 205. 279.)

SERIES 7200 ALUMINUM BI-FOLDING WINDOW - LMI & SMI
CONTINENTAL GLASS SYSTEMS INC.
325 WEST 74TH PLACE HIALEAH, FL. 33014

DATE 06/02/14

SCALE AS SHOWN

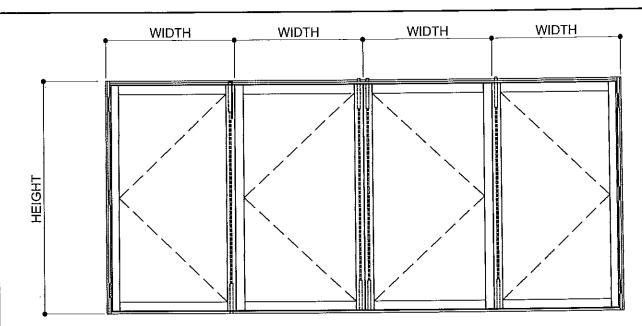
DRAWN T.G.

PROJECT 13-002

drawing no. AD13-02

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MAX. DESIGN LOAD FOR FOUR PANEL BI-FOLDING WINDOW					
WINDOW PANEL		MAX. DESIGN LOAD			
WIDTH	HEIGHT	POSITIVE	NEGATIVE		
IN	IN	PSF	PSF		
30	60	90.0	90.0		
33		90.0	90.0		
36		90.0	90.0		
39		90.0	90.0		
42		90.0	90.0		
45		90.0	90.0		
48		90.0	90.0		
51		90.0	90.0		
54		90.0	90.0		
30	66	90.0	90.0		
33		90.0	90.0		
36		90.0	90.0		
39	1	90.0	90.0		
42		90.0	90.0		
45		90.0	90.0		
48		90.0	90.0		
51		90.0	90.0		
30	72	90.0	90.0		
33	-	90.0	90.0		
36		90.0	90.0		
39	1	90.0	90.0		
42		90.0	90.0		
45		90.0	90.0		
48	]	90.0	90.0		
30	78	90.0	90.0		
33		90.0	90.0		
36	1	90.0	90.0		
39		90.0	90.0		
42		90.0	90.0		
45		90.0	90.0		
30	80	90.0	90.0		
33		90.0	90.0		
36	]	90.0	90.0		
39	1	90.0	90.0		
42		90.0	90.0		
45	]	90.0	90.0		



## **SEALANT: DOW CORNING 790**

PERIMETER OF FRAME ON THE INTERIOR, FRAME CORNERS, GLAZING BEAD SEAMS AT EACH END, FIXED MEETING RAIL AT EACH END, INSTALLATION FASTENERS AT FRAME SILL & EACH END OF FRAME SILL TRACK.

#### HARDWARE:

### LOCKS:

A TWO POINT LOCK WITH HANDLE (BF-01-650) BY INTERLOCK, LOCATED ON BOTH SASH 2 & 3 SASH AT 36" FROM THE BOTTOM OF THE SASH. THIS LOCK ACTIVE BOTH THE TOP & BOTTOM 1/2" SOLID S.S. FLUSH BOLTS WITH A THROW OF 1".

1/2" x 3/4" LG FLUSH BOLTS ARE ALSO LOCATED ON THE LOCK STILE OF SASH 1 & 3 AT 14 3/4" FROM TOP & BOTTOM OF THE SASH.

THE 1"x2"x0.764" DEEP STRIKE PLATES INSTALLED WITH (2)#8x1/2" PHILIPS FLAT HEAD AND SET IN WITH ACRYL-R SEAM SEALER BY SCHNEE-MOREHEAD INC.

### HINGES:

- (3) 4 X 4 1/2" SS METAL HINGES INSTALLED ON EACH SASH @ 8 1/4" AND FROM TOP AND BOTTOM OF SASH AND ONE AT CENTER.
- (4) 6MM X 15MM PHILLIPS FLAT HEAD MACHINE SCREWS ON HINGE STILES OF THE SASH AND BI-FOLDING FRAME.

TYPICAL ANCHORS: (SEE ELEV. FOR SPACING)

• 5/16" DIA. 'ELCO' ULTRACON (Fu = 177 KSI, Fy = 155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-1/2" MIN. PENETRATION INTO WOOD THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

• 5/16" DIA. 'ELCO' ULTRACON

DIRECTLY INTO CONCRETE (Fu = 177 KSI, Fy = 155 KSI) 1-3/8" MIN. EMBED DIRECTLY INTO CONCRETE

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO STEEL

(Fu = 74 KSI, Fy = 57 KSI)

STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

INTO MIAMI-DADE COUNTY APPROVED ALUMINUM MULLIONS

ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

## SUBSTRATES:

#### **MASONRY**

ASTM C90 GROUT FILLED CONCRETE BLOCK HOLLOW BLOCK fc'=2000 PSI min.

#### CONCRETE

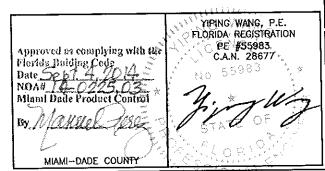
fc= 3.000 PSI MIN.

### **ANCHOR EDGE DISTANCES**

INTO CONCRETE AND MASONRY = 2-3/16" MIN. = 1-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE

WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

AUG 2 1 2014





305.271.0117 205.279.6818

ф, Ei

ENGINEERING, INC.

8501 SW 124Ave.Ste.205A MAM, FL. 33183

SYSTEMS INC. CONTINENTAL GLASS

SERIES 7200 ALUMINUM BI-FOLDING WINDOW - LMI & 06/02/14

DATE SCALE AS SHOWN DRAWN T.G. PROJECT 13-002

DRAWING NO.

AD13-02

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